

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TDA21490	**Issued**	27. April 2022
MA#	MA005729110		
Package	PG-IQFN-39-7	**Weight***	106.69 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	0.352	0.33	0.33	3302	3302
chip_2	inorganic material	silicon	7440-21-3	0.966	0.91	0.91	9053	9053
chip_3	inorganic material	silicon	7440-21-3	1.538	1.44	1.44	14419	14419
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		107	
	non noble metal	zinc	7440-66-6	0.045	0.04		426	
	non noble metal	iron	7439-89-6	0.909	0.85		8521	
	non noble metal	copper	7440-50-8	36.911	34.61	35.51	345978	355032
wire	noble metal	gold	7440-57-5	0.291	0.27	0.27	2728	2728
encapsulation	organic material	carbon black	1333-86-4	0.360	0.34		3372	
	non noble metal	metal hydroxide	-	0.720	0.67		6744	
	inorganic material	amorphous silica	7631-86-9	2.518	2.36		23606	
	plastics	epoxy resin	-	3.598	3.37		33722	
	inorganic material	silicondioxide	60676-86-0	28.782	26.98	33.72	269778	337222
leadfinish	noble metal	palladium	7440-05-3	0.003			27	
	noble metal	gold	7440-57-5	0.005			43	
	non noble metal	nickel	7440-02-0	0.084	0.08	0.08	790	860
plating	noble metal	silver	7440-22-4	0.621	0.58	0.58	5820	5820
solder	noble metal	silver	7440-22-4	0.099	0.09		928	
	non noble metal	tin	7440-31-5	0.198	0.19		1856	
	non noble metal	lead	7439-92-1	3.663	3.43	3.71	34336	37120
heat sink clip	inorganic material	phosphorus	7723-14-0	0.008	0.01		70	
	non noble metal	zinc	7440-66-6	0.030	0.03		281	
	non noble metal	iron	7439-89-6	0.600	0.56		5627	
	non noble metal	copper	7440-50-8	24.374	22.85	23.45	228466	234444
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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